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मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6959 (1973): Embryotomy Scissors, Embryotomy, Curved on Flat [MHD 3: Obstetric and Gynaecological Instruments and Appliances]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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AMENDMENT NO. 1 JULY 1980

TO

**IS : 6959-1973 SPECIFICATION FOR SCISSORS, EMBRYOTOMY,
CURVED ON FLAT**

Alteration

(Page 2, Clause 6.3) — Substitute the following for the existing clause:

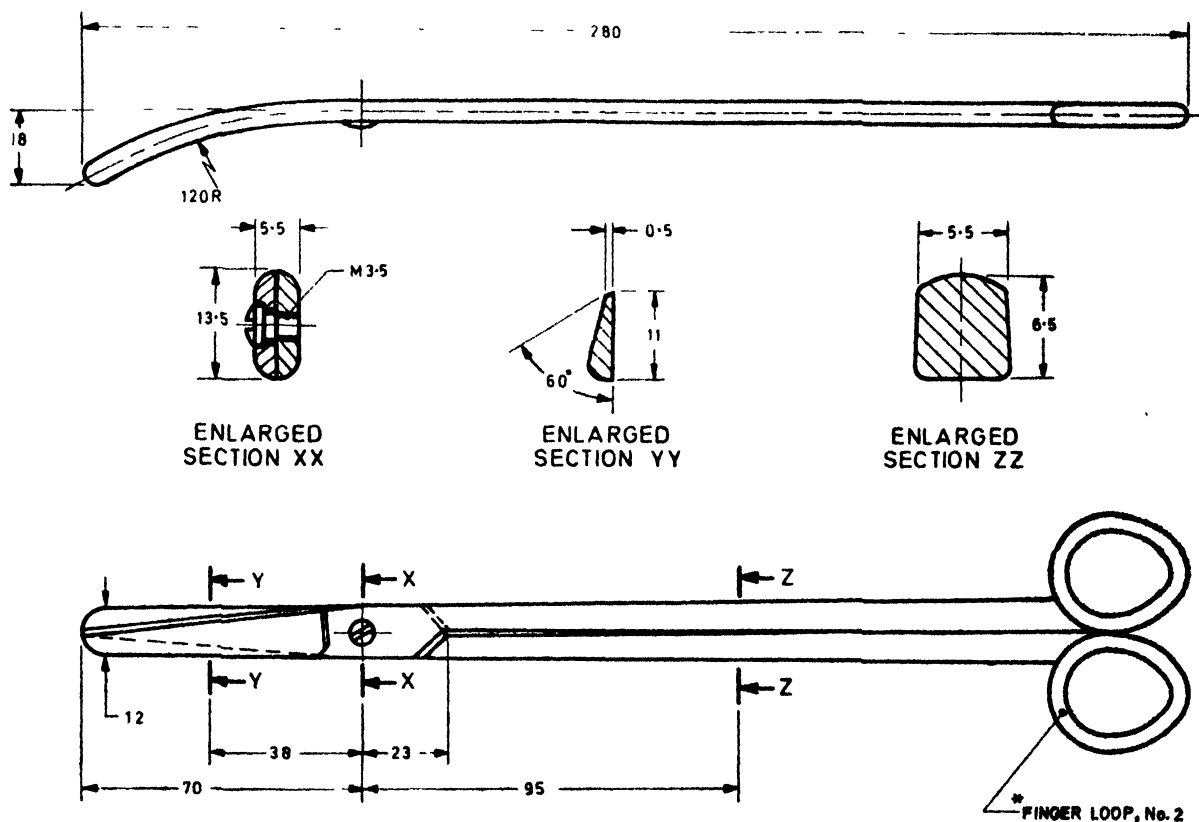
“ 6.3 Corrosion Resistance Test — Test the sample in accordance with IS : 7531-1975 ‘Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments’. The sample shall show no sign of corrosion after the test.”

(CPDC 25)



Indian Standard
**SPECIFICATION FOR
SCISSORS, EMBRYOTOMY, CURVED ON FLAT**

1. **Scope** — Dimensional and other requirements for embryotomy scissors, curved on flat.
2. **Shape and Dimensions** — As shown in Fig. 1.



*See IS : 3642 - 1966 'General requirements for surgical instruments'.

All dimensions in millimetres.

FIG. 1 SCISSORS, EMBRYOTOMY, CURVED ON FLAT

2.1 **Joints** — Clause 6 of Section 2 of IS : 3642-1966 'General requirements for surgical instruments' shall apply. The type of joint shall be recessed screw type.

3. **Material** — Stainless steel conforming to Designation 30Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

3.1 **Screw** shall be of the stainless steel of the same designation as used for scissors.

4. Workmanship and Finish

4.1 Scissors shall be symmetrical and well-balanced.

4.2 The blades along their length and the tips shall coincide and shall not over-ride, when the scissors are fully closed.

4.3 The blades shall open and close without stiffness and shall have a slight cross-over action to give a continuous pinch, and shall have no play at the joint.

Adopted 10 June 1973

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INDIAN STANDARDS INSTITUTION
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110001

IS : 6959 - 1973

4.4 Scissors shall be free from cracks, seams, burrs, flaws and other defects.

4.5 The surfaces of the scissors shall be finished smooth, passivated and polished bright.

4.6 The edges shall be even and rounded except for the cutting edge which shall be sharp and shall not have any feather.

5. Heat Treatment — Scissors shall be evenly hardened and tempered to 400 to 450 HV.

6. Tests

6.1 Performance — The scissors shall cut wet tissue paper, teased-out cotton wool, fine hairs and frayed lint accurately and cleanly from pinch to tip.

6.2 Bone Cutting Test — Cut a fresh piece of rib of a sheep or goat. The rib shall be cut evenly without any undue resistance. The length of cut shall be not less than one half the length of the cutting edge. This shall be done 5 times. The cuts shall be clean and neat and the cutting edges shall not be damaged. The scissors shall continue to function satisfactorily after the test.

6.3 Corrosion Resistance Test — Scrub the scissors with soap and warm water, rinse in hot water and then dip in 95 percent ethyl alcohol. Dry the scissors, immerse in copper sulphate solution at room temperature for six minutes and wash with fresh water or wet cotton wool.

The copper sulphate solution shall be made up as follows:

Copper sulphate ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$)	4.0 g
Sulphuric acid (H_2SO_4) (sp gr 1.84)	10.0 g
Distilled water [see IS : 1070-1960 Specification for water, distilled quality (<i>revised</i>)]	90.0 ml

There shall be no red stains or spot on the scissors after the test, but dulling of the polished surface may be permitted.

7. Marking — The scissors shall be marked with the following:

- Manufacturer's name, initials or recognized trade-mark; and
- The words 'SS'.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution, New Delhi 110001.

8. Packing — The scissors shall be wrapped in moisture-proof paper or packed in polyethylene bags, avoiding contact with one another.